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“Becoming a Spacewalker: My Journey to the Stars”  
Teacher Resources

Purdue University Press Supplementary Content

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# Theme B: Day 10 Plan

Purdue University College of Education

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## THEME B

*Becoming a Spacewalker: My Journey to the Stars* by Astronaut Jerry L. Ross

### DAY TEN STEM EXTENSION TO ACCOMPANY DAY TEN SHARED READING PLAN

**To Ponder:** It has been a breathtaking journey into space, and we have Jerry Ross to thank. We learned about the hard work and commitment it takes to attain one's dream. Think back about the book, activities, experiments, and videos that we explored. We investigated science, technology, engineering, and mathematics. Now it is your turn to design your final project that represents what Jerry Ross's story means to you.

**STEM ACTIVITIES:** To design and create a project that represents what Jerry Ross's story means to them.

**Goal:** Student will express what he or she has learned using any medium of choice (iPad, smartphone, computer presentations, digital product, artistic impression, illustrations, simple materials, reader's theater, etc.

**Purpose of Activity:** To apply all that has been learned in any medium of student's choosing

**Materials:** Dependent upon student medium choice

#### Before Activity

- Activate prior knowledge: Let's talk about what we have learned through this journey with Jerry Ross.
- Set a purpose for the activity: We have had a chance to share many experiences over the past several days, now it is your turn to show what Jerry Ross's story means to you.

#### During:

1. Brainstorm and discuss what children learned to help generate ideas
2. Make personal, world, and textual connections
3. Synthesize information to help students
4. Present menu of possible ideas

Possible menu of student final product choices (see list from day ten literacy focus for more ideas)

- What's your dream?
- Space facts/research
- Design a science experiment
- What if you wake up one morning and there was no gravity?
- Passion project (child's own idea)
- Design mission patch
- Research *Orion*
- Make a desktop model of *Orion*:

[http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Orion\\_Model.html](http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Orion_Model.html)

**Reflections:** *Now that this journey is complete my final thoughts are*

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**Extensions:** In order to display each student's masterpiece and bring unit closure, perhaps the class could organize a "space gallery" gala and invite the students' families, other grade levels, or business leaders from your community on a tour of your journey into space. This would be a great way to highlight the activities/experiments with collected data from the students' point of view.

**Resources:**

*Orion*

[http://www.nasa.gov/exploration/systems/mpcv/index.html#.U\\_OW6PldX1Y](http://www.nasa.gov/exploration/systems/mpcv/index.html#.U_OW6PldX1Y)

Mission Patch

<http://www.spacecenter.org/docs/Activities-MissionPatch.pdf>